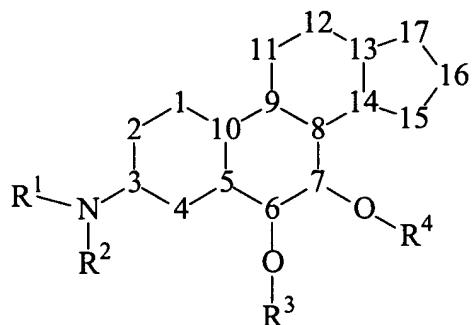


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of the formula



and pharmaceutically acceptable salts, solvates, stereoisomers and prodrugs thereof, in isolation or in mixture, where independently at each occurrence:

R¹ and R² are selected from hydrogen, oxygen so as to form nitro or oxime, amino, sulfur so as to form -SO₃-R or -SO₂-R wherein R is selected from H and organic groups having 1-30 carbons optionally containing 1-6 heteroatoms selected from nitrogen, oxygen, phosphorous, silicon and sulfur-SO₃-R, and organic groups having 1-30 carbons and optionally containing 1-6 heteroatoms selected from nitrogen, oxygen, phosphorous, silicon, and sulfur, where R² may be a direct bond to numeral 3, or R¹ and R² may, together with the N to which they are both bonded, form a heterocyclic structure that may be part of an organic group having 1-30 carbons and optionally containing 1-6 heteroatoms selected from nitrogen, oxygen and silicon; or R¹ may be a 2 or 3 atom chain to numeral 2 so that -N-R¹- forms part of a fused bicyclic structure to ring A;

R³ and R⁴ are selected from direct bonds to 6 and 7 respectively so as to form carbonyl groups, hydrogen, or a protecting group such that R³ and/or R⁴ is part of hydroxyl or carbonyl protecting group;

numerals 1 through 17 each represent a carbon, where carbons at numerals 1, 2, 4, 11, 12, 15, 16 and 17 may be independently substituted with

(a) one of: $=O$, $=C(R^5)(R^5)$, $=C=C(R^5)(R^5)$, $-C(R^5)(R^5)(C(R^5)(R^5))_n-$

and $-(O(C(R^5)(R^5))_nO)-$ wherein n ranges from 1 to about 6 ; or

(b) two of the following, which are independently selected: $-X$, $-N(R^1)(R^2)$, $-R^5$ and $-OR^6$;

and where carbons at numerals 5, 8, 9, 10, 13 and 14 may be independently substituted with one of $-X$, $-R^5$, $-N(R^1)(R^2)$ or $-OR^6$;

in addition to the $-OR^3$ and $-OR^4$ groups as shown, each of carbons 6 and 7 may be independently substituted with one of $-X$, $-N(R^1)(R^2)$, $-R^5$ or $-OR^6$;

each of rings A, B, C and D is independently fully saturated, partially saturated or fully unsaturated;

R^5 at each occurrence is independently selected from H, X, and C_{1-30} organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, oxygen, silicon and sulfur; where two geminal R^5 groups may together form a ring with the carbon atom to which they are both bonded;

R^6 is H or a protecting group such that $-OR^6$ is a protected hydroxyl group, where vicinal $-OR^6$ groups may together form a cyclic structure that protects vicinal hydroxyl groups, and where geminal $-OR^6$ groups may together form a cyclic structure that protects a carbonyl group; and

X represents fluoride, chloride, bromide and iodide.

2. (Original) A compound of claim 1 wherein numerals 1 through 16 each represent a carbon, where carbons at numerals 1, 2, 4, 11, 12, 15 and 16 may be independently substituted with

(a) one of: $=O$, $=C(R^5)(R^5)$, $=C=C(R^5)(R^5)$, $-C(R^5)(R^5)(C(R^5)(R^5))_n-$

and $-(O(C(R^5)(R^5))_nO)-$ wherein n ranges from 1 to about 6 ; or

(b) two of the following, which are independently selected: -X,
-N(R¹)(R²), -R⁵ and -OR⁶; and

numeral 17 represents a carbon substituted with

(a) one of: =C(R^{5a})(R^{5a}), =C=C(R^{5a})(R^{5a}), and
-C(R^{5a})(R^{5a})(C(R^{5a})(R^{5a}))_n- wherein n ranges from 1 to about 6 ; or

(b) two of the following, which are independently selected: -X,
-N(R¹)(R²), and -R^{5a} ;
where R^{5a} at each occurrence is independently selected from H, X, and C₁₋₃₀ organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, silicon and sulfur; where two geminal R⁵ groups may together form a ring with the carbon atom to which they are both bonded.

3. (Original) A compound of claim 2 wherein R^{5a} at each occurrence is independently selected from C₁₋₃₀ hydrocarbon, C₁₋₃₀ halocarbon, C₁₋₃₀ hydrohalocarbon, H, and X.

4. (Original) A compound of claim 2 wherein R^{5a} at each occurrence is independently selected from C₁₋₁₀ hydrocarbon, C₁₋₁₀ halocarbon, C₁₋₁₀ hydrohalocarbon, H, and X.

5. (Currently Amended) A compound of any of claim 1 wherein R¹ and R² are selected from hydrogen, oxygen so as to form nitro or oxime, amino, sulfur so as to form -SO₃-R or -SO₂-R wherein R is selected from H and organic groups having 1-30 carbons optionally containing 1-6 heteroatoms selected from nitrogen, oxygen, phosphorous, silicon and sulfur-SO₃-R; and organic groups having 1-30 carbons and optionally containing 1-6 heteroatoms selected from oxygen, phosphorous, silicon, and sulfur, where R² may be a direct bond to numeral 3, or R¹ and R² may, together with the N to which they are both bonded, form a heterocyclic structure that may be part of an organic group having 1-30 carbons and optionally

containing 1-6 heteroatoms selected from oxygen and silicon; or R¹ may be a 2 or 3 atom chain to numeral 2 so that -N-R¹- forms part of a fused bicyclic structure to ring A.

6. (Currently Amended) A compound of any of claim 1 wherein carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens unless said carbon is part of an unsaturated bond;
carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen unless said carbon is part of an unsaturated bond;
carbon at numeral 10 is substituted with methyl; and
carbon at number 13 is substituted with methyl unless it is part of an unsaturated bond.

7. (Currently Amended) A compound of any of claim 1 wherein carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens;
carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen;
carbon at numeral 10 is substituted with methyl; and
carbon at number 13 is substituted with methyl unless it is part of an unsaturated bond.

8. (Original) A compound of claim 1 wherein R¹ and R² are hydrogen;
R³ and R⁴ are selected from direct bonds to 6 and 7 respectively so as to form carbonyl groups, hydrogen, or a protecting group such that R³ and/or R⁴ is part of hydroxyl or carbonyl protecting group; and in addition to the -OR³ and -OR⁴ groups as shown, each of carbons 6 and 7 is substituted with hydrogen unless precluded because -OR³ or -OR⁴ represent a carbonyl group;
carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens unless said carbon is part of an unsaturated bond;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen unless said carbon is part of an unsaturated bond;

carbon at numeral 10 is substituted with methyl;

carbon at number 13 is substituted with methyl unless it is part of an unsaturated bond;

carbon at numeral 17 is substituted with

(a) one of: =O, =C(R⁵)(R⁵), =C=C(R⁵)(R⁵), -C(R⁵)(R⁵)(C(R⁵)(R⁵))_n- and -(O(C(R⁵)(R⁵))_nO)- wherein n ranges from 1 to about 6 ; or

(b) two of the following, which are independently selected: -X, -N(R¹)(R²), -R⁵ and -OR⁶;

each of rings A, B, C and D is independently fully saturated, partially saturated or fully unsaturated;

R⁵ at each occurrence is independently selected from H, X, and C₁₋₃₀ organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, oxygen, silicon and sulfur; where two geminal R⁵ groups may together form a ring with the carbon atom to which they are both bonded;

R⁶ is H or a protecting group such that -OR⁶ is a protected hydroxyl group, where vicinal -OR⁶ groups may together form a cyclic structure that protects vicinal hydroxyl groups, and where geminal -OR⁶ groups may together form a cyclic structure that protects a carbonyl group; and

X represents fluoride, chloride, bromide and iodide.

9. (Original) A compound of claim 8 wherein

R¹ and R² are hydrogen;

R³ and R⁴ are selected from hydrogen and protecting groups such that R³ and/or R⁴ is part of hydroxyl protecting group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen;

carbon at numeral 10 is substituted with methyl;
carbon at number 13 is substituted with methyl unless it is part of an unsaturated bond;

carbon at numeral 17 is substituted with

- (a) one of: $=C(R^5)(R^5)$ and $=C=C(R^5)(R^5)$; or
- (b) two of the following, which are independently selected: $-X$,

$-N(R^1)(R^2)$, and $-R^5$;

each of rings A, B, C and D is independently fully saturated or partially saturated;

R^5 at each occurrence is independently selected from H, X, and C_{1-30}

hydrocarbons, halocarbons and halohydrocarbons; and

X represents fluoride, chloride, bromide and iodide.

10. (Original) A compound of claim 9 wherein

R^1 and R^2 are hydrogen;

R^3 and R^4 are selected from hydrogen and protecting groups such that R^3 and/or R^4 is part of hydroxyl protecting group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two

hydrogens;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen;

carbon at numeral 10 is substituted with methyl;

carbon at number 13 is substituted with methyl unless it is part of an unsaturated bond;

carbon at numeral 17 is substituted with

- (a) one of: $=C(R^5)(R^5)$; or
- (b) two of $-R^5$;

each of rings A, B, C and D is independently fully saturated or partially saturated;

and

R^5 at each occurrence is independently selected from H and C_{1-10} hydrocarbons.

11-16. (Canceled).

17. (Original) A compound of claim 1 wherein 17 is substituted with $=C(R^5)(R^5)$ and R^5 is selected from hydrogen, halogen, C₁₋₆alkyl, C₁₋₆ hydroxyalkyl, and -CO₂-C₁₋₆alkyl.

18. (Original) A compound of claim 1 wherein 17 is substituted with C₁₋₆alkyl or C₁₋₆haloalkyl.

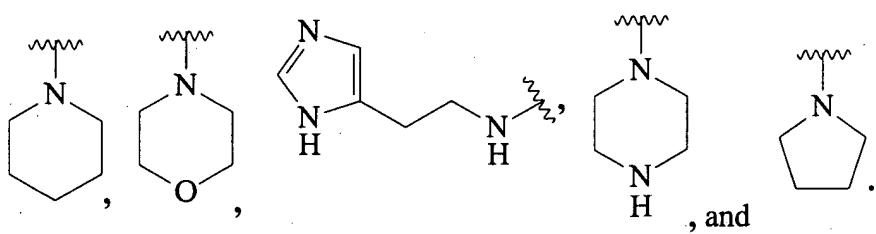
19. (Original) A compound of claim 1 wherein 17 is substituted with -OR⁶ or =O, wherein R⁶ is hydrogen.

20. (Original) A compound of claim 1 wherein R¹ is selected from -C(=O)-R⁷, -C(=O)NH-R⁷; -SO₂-R⁷; wherein R⁷ is selected from alkyl, heteroalkyl, aryl and heteroaryl.

21. (Original) A compound of claim 20 wherein R⁷ is selected from C₁₋₁₀hydrocarbyl.

22. (Original) A compound of claim 20 wherein R⁷ comprises biotin.

23. (Original) A compound of claim 1 wherein (R¹)(R²)N- is selected from



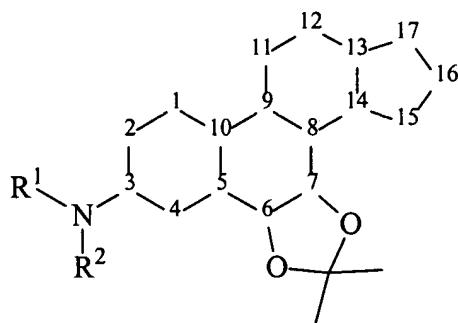
24. (Original) A compound of claim 1 wherein R¹ is hydrogen and R² comprises a carbocycle.

25. (Original) A compound of claim 24 wherein the carbocycle is phenyl.
26. (Original) A compound of claim 25 wherein R² is selected from 3-methylphenyl; 4-hydroxyphenyl; and 4-sulfonamidephenyl.
27. (Original) A compound of claim 1 wherein R¹ is hydrogen and R² comprises a C₁₋₁₀hydrocarbyl.
28. (Original) A compound of claim 1 wherein R¹ is hydrogen and R² is heteroalkyl.
29. (Original) A compound of claim 28 wherein R² is selected from C₁₋₁₀alkyl-W-C₁₋₁₀alkylene- wherein W is selected from O and NH; HO-C₁₋₁₀alkylene-; and HO-C₁₋₁₀alkylene-W-C₁₋₁₀alkylene- where W is selected from O and NH.
30. (Original) A compound of claim 1 wherein R¹ is hydrogen and R² is -CH₂-R⁷ wherein R⁷ is selected from alkyl, heteroalkyl, aryl and heteroaryl.
31. (Original) A compound of claim 30 wherein R⁷ is selected from alkyl-substituted phenyl; halogen-substituted phenyl; alkoxy-substituted phenyl; aryloxy-substituted phenyl; and nitro-substituted phenyl.
32. (Original) A compound of claim 1 wherein each of R¹ and R² is hydrogen.
33. (Previously presented) A compound of claim 1 wherein each of R³ and R⁴ is hydrogen.

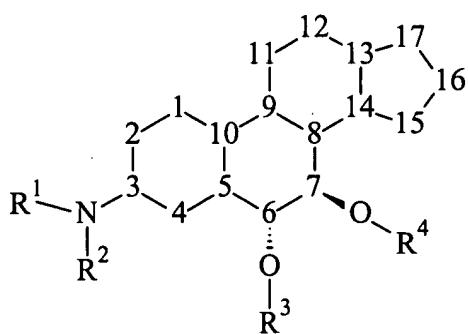
34. (Previously presented) A compound of claim 33 where the carbon at numeral 17 is substituted with

- (a) one of the following: $C(R^{5a})(R^{5a})$, $=C=C(R^{5a})(R^{5a})$, and $-C(R^{5a})(R^{5a})(C(R^{5a})(R^{5a}))_n$ wherein n ranges from 1 to about 6 ; or
- (b) two of the following, which are independently selected: $-X$, $-N(R^1)(R^2)$, and $-R^{5a}$;
- where R^{5a} at each occurrence is independently selected from H, X, and C₁ organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, silicon and sulfur; where two geminal R⁵ groups may together form a ring with the carbon atom to which they are both bonded.

35. (Currently Amended) A compound of claim 1 wherein R³ and R⁴ together form a ketal of the structure



36. (Currently Amended) A compound of claim 1 wherein $-OR^3$ and $-OR^4$ have the stereochemistry shown



37. (Original) A compound of claim 1 wherein $-N(R^1)(R^2)$ is in a salt form.

38. (Original) A compound of claim 1 wherein $-N(R^1)(R^2)$ is in a salt form and the salt is a halogen or acetate salt.

39. (Original) A compound of claim 1 which is a prodrug of the formula shown in claim 1.

40. (Original) A compound of claim 1 and pharmaceutically acceptable salts, solvates, stereoisomers but not prodrugs thereof, in isolation or in mixture.

41. (Original) A compound of claim 1 wherein at least one of the carbons at numerals 10 and 13 are substituted with methyl.

42. (Original) A compound of claim 1 wherein each of R^1 and R^2 are independently selected from hydrogen and organic groups having 1-20 carbons and optionally containing 1-5 heteroatoms selected from nitrogen, oxygen, silicon, and sulfur.

43. (Original) A compound of claim 1 wherein R^1 and R^2 are independently selected from hydrogen, R^8 , R^9 , R^{10} , R^{11} and R^{12} where R^8 is selected from alkyl, heteroalkyl, aryl and heteroaryl; R^9 is selected from $(R^8)_r$ -alkylene, $(R^8)_r$ -heteroalkylene, $(R^8)_r$ -arylene and $(R^8)_r$ -heteroarylene; R^{10} is selected from $(R^9)_r$ -alkylene, $(R^9)_r$ -heteroalkylene, $(R^9)_r$ -arylene, and $(R^9)_r$ -heteroarylene; R^{11} is selected from $(R^{10})_r$ -alkylene, $(R^{10})_r$ -heteroalkylene, $(R^{10})_r$ -arylene, and $(R^{10})_r$ -heteroarylene, R^{12} is selected from $(R^{11})_r$ -alkylene, $(R^{11})_r$ -heteroalkylene, $(R^{11})_r$ -arylene, and $(R^{11})_r$ -heteroarylene, and r is selected from 0, 1, 2, 3, 4 and 5, with the proviso that R^1 and R^2 may join to a common atom so as to form a ring with the common atom.

44. (Previously presented) A compound of claim 43 wherein R³ and R⁴ are selected from hydrogen and protecting groups such that R³ and/or R⁴ is part of hydroxyl protecting group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens unless said carbon is part of an unsaturated bond;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen unless said carbon is part of an unsaturated bond;

carbon at numeral 10 is substituted with methyl;

carbon at number 13 is substituted with methyl unless it is part of an unsaturated bond;

carbon at numeral 17 is substituted with

- (a) one of: =C(R⁵)(R⁵) and =C=C(R⁵)(R⁵); or
- (b) two of -R⁵;

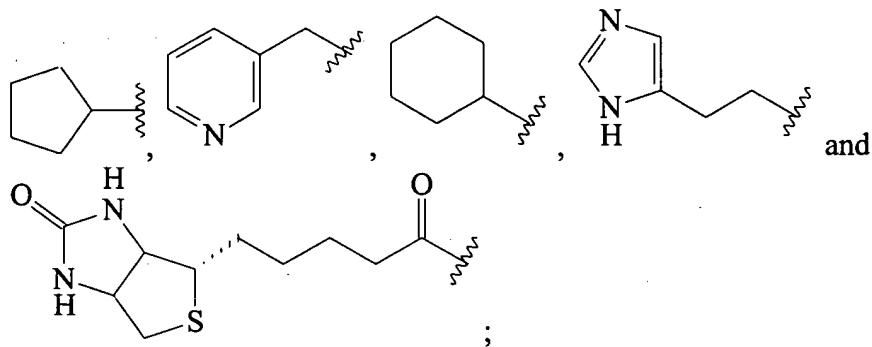
each of rings A, B, C and D is independently fully saturated or partially saturated; and

R⁵ at each occurrence is independently selected from H and C₁₋₁₀ hydrocarbons.

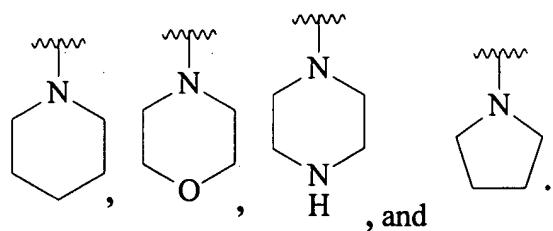
45. (Previously presented) A compound of claim 44 wherein R¹ and R² are independently selected from hydrogen, R⁸, R⁹, R¹⁰, R¹¹ and R¹² where R⁸ is selected from C₁₋₁₀alkyl, C₁₋₁₀heteroalkyl comprising 1, 2 or 3 heteroatoms, C₆₋₁₀aryl and C₃₋₁₅heteroaryl comprising 1, 2 or 3 heteroatoms; R⁹ is selected from (R⁸)_r-C₁₋₁₀alkylene, (R⁸)_r-C₁₋₁₀heteroalkylene comprising 1, 2 or 3 heteroatoms, (R⁸)_r-C₆₋₁₀arylene and (R⁸)_r-C₃₋₁₅heteroarylene comprising 1, 2 or 3 heteroatoms; R¹⁰ is selected from (R⁹)_r-C₁₋₁₀alkylene, (R⁹)_r-C₁₋₁₀heteroalkylene comprising 1, 2 or 3 heteroatoms, (R⁹)_r-C₆₋₁₀arylene, and (R⁹)_r-C₃₋₁₅heteroarylene comprising 1, 2 or 3 heteroatoms; R¹¹ is selected from (R¹⁰)_r-C₁₋₁₀alkylene, (R¹⁰)_r-C₁₋₁₀heteroalkylene comprising 1, 2 or 3 heteroatoms, (R¹⁰)_r-C₆₋₁₀arylene, and (R¹⁰)_r-C₃₋₁₅heteroarylene comprising 1, 2 or 3 heteroatoms, R¹² is selected from (R¹¹)_r-C₁₋₁₀alkylene, (R¹¹)_r-C₁₋₁₀heteroalkylene comprising 1, 2 or 3 heteroatoms, (R¹¹)_r-C₆₋₁₀arylene, and (R¹¹)_r-C₃₋₁₅heteroarylene comprising 1, 2 or 3 heteroatoms, and r is selected from 0, 1,

2, 3, 4 and 5, with the proviso that R¹ and R² may join to a common atom so as to form a ring with the common atom.

46. (Previously presented) A compound of claim 45 wherein R¹ and R² are selected from hydrogen, CH₃-, CH₃(CH₂)₂-, CH₃(CH₂)₄-, CH₃CO-, C₆H₅CO- (CH₃)₂CHSO₂-, C₆H₅SO₂-, C₆H₅NHCO-, CH₃(CH₂)₂NHCO-, CH₃(CH₂)₂NH(CH₂)₂-, (CH₃)₂N(CH₂)₂-, HOCH₂CH₂-, HOCH₂(CH₂)₄-, HOCH₂CH₂NHCH₂CH₂-, 3-(CH₃)C₆H₄-, 4-(HO)C₆H₄-, 4-(H₂NSO₂)C₆H₄-, 4-((CH₃)₂CH)C₆H₄-CH₂-, 2-(F)C₆H₄-CH₂-, 3-(CF₃)C₆H₄-CH₂-, 2-(CH₃O)C₆H₄-CH₂-, 4-(CF₃O)C₆H₄-CH₂-, 3-(C₆H₅O)C₆H₄-CH₂-, 3-(NO₂)C₆H₄-CH₂-,

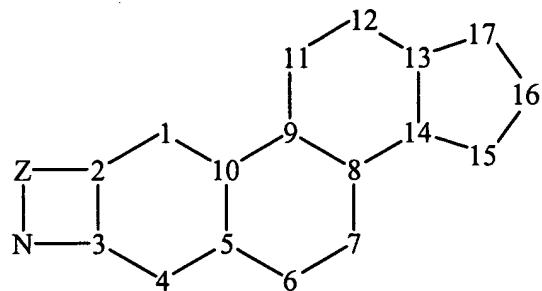


or R¹ and R² may join together with the nitrogen to which they are both attached and form a heterocycle selected from:



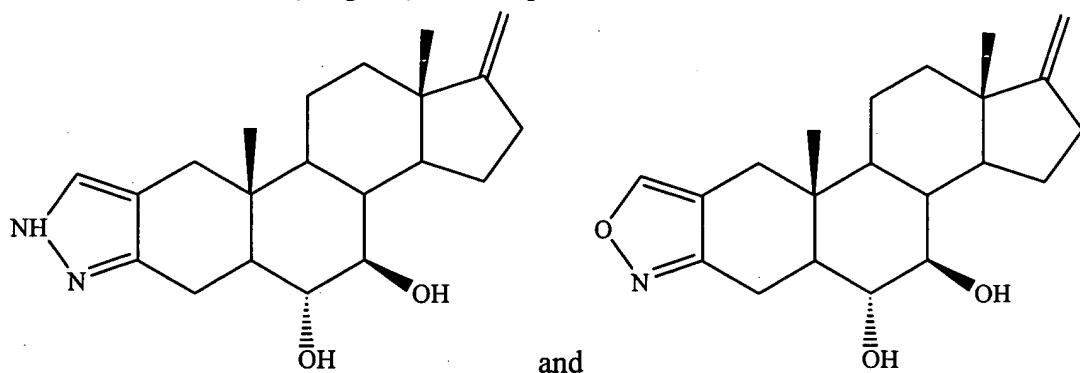
47.-50. (Cancelled)

51. (Original) A compound of claim 1 wherein R¹ is a 2, or 3 atom chain to numeral 2 so that -N-R¹- forms part of a fused bicyclic structure to ring A, the compound having the formula:



where Z represents 2 or 3 atoms, independently selected from C, N and O so long as a stable structure results, and the ring including Z may be saturated or unsaturated.

52. (Original) A compound of claim 51 selected from



and

53. (Currently Amended) A pharmaceutical composition comprising a compound of any of claim 1 and a pharmaceutically acceptable carrier, excipient or diluent.

54. (Currently Amended) A method of treating inflammation therapeutically comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of any of claim 1.

55. (Currently Amended) A method of treating inflammation prophylactically comprising administering to a subject in need thereof a prophylactically-effective amount of a compound of ~~any of~~ claim 1.

56. (Currently Amended) A method of treating asthma comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any of~~ claim 1.

57. (Currently Amended) A method of treating allergic disease including but not limited to dermal and ocular indications comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any of~~ claim 1.

58. (Currently Amended) A method of treating chronic obstructive pulmonary disease comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any of~~ claim 1.

59. (Currently Amended) A method of treating atopic dermatitis comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any of~~ claim 1.

60. (Currently Amended) A method of treating solid tumours comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any of~~ claim 1.

61. (Currently Amended) A method of treating AIDS comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any of~~ claim 1.

62. (Currently Amended) A method of treating ischemia reperfusion injury comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any~~ of claim 1.

63. (Currently Amended) A method of treating cardiac arrhythmias comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of ~~any~~ of claim 1.